

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
23 December 2004 (23.12.2004)

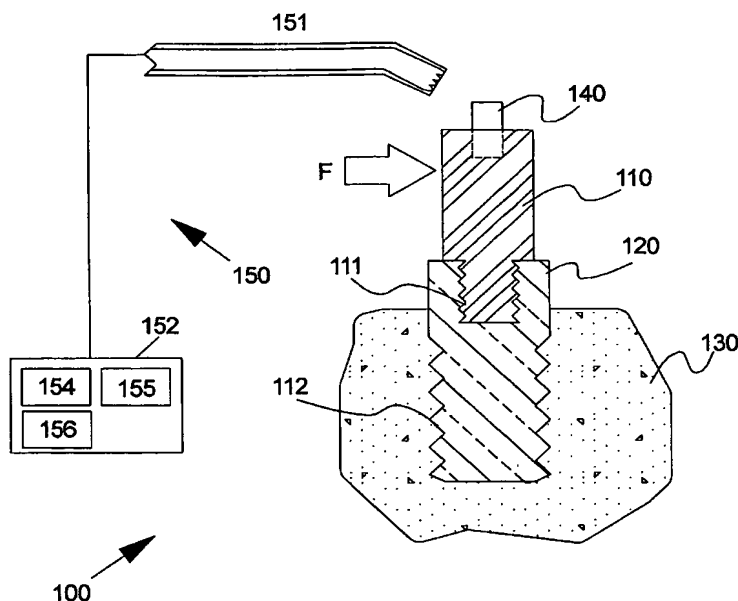
PCT

(10) International Publication Number  
**WO 2004/110272 A1**

- (51) International Patent Classification<sup>7</sup>: **A61B 5/103**, 10/00, A61C 19/04, A61F 2/02
- (21) International Application Number: PCT/SE2004/000998
- (22) International Filing Date: 21 June 2004 (21.06.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 0301825-6 19 June 2003 (19.06.2003) SE
- (71) Applicant (for all designated States except US): **INTEGRATION DIAGNOSTICS LTD** [GB/GB]; The Quadrangle, 2nd Floor, 180 Wardour Street, London W1F 8FY (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **CAWLEY, Peter** [GB/GB]; 16 Dorset Road, London W5 4HU (GB). **PETERSSON, Anders** [SE/SE]; Nedergårdsvägen 5, S-416 54 Göteborg (SE).
- (54) Agent: **STRÖM & GULLIKSSON IP AB**; Lindholm-spiren 5, S-417 56 Göteborg (SE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: METHOD AND ARRANGEMENT RELATING TO TESTING OBJECTS



(57) Abstract: The invention relates to an arrangement (100, 200, 500) and a method for testing a hold (120, 220, 520), such as an implant, attached to an object (130, 230, 530), such as a bone, the method comprising the steps of: bringing a member (110, 210, 510) into contact with said hold, contactlessly detecting at least one resonance frequency of said member (110, 210, 510) when it is in contact with said hold (120, 220, 520); and interpreting the detected resonance frequency in terms of the degree of attachment of the hold with respect to the object.

WO 2004/110272 A1



**Published:**

— *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*